

Summary:

A combustion chamber (5) for a gas turbine is set up for flameless oxidation of fuels. For this purpose it has an internal space (9) in which a large-volume circulation flow is established. This supplies a hot exhaust stream to the introduced air, the mass flow rate of which exceeds the fresh air stream. The fresh air and the fuel are fed to the combustion chamber in the same direction, roughly parallel to the wall.

(Figure 8)